State of Alaska
Department of Fish and Game
Nomination for Waters
Important to Anadromous Fish

Eshamy 22

AWC Volume SE (SC) SW W AR IN USGS Quad Seward B-3

Anadromous Water Catalog Number of Waterway 225-30-15110-2080

Name of Waterway _____ USGS name ___ Local name ___

Addition X Deletion ___ Correction ___ Backup Information ___

For Office Use

Nomination # 94 121

Revision Year: _____

Revision to: Atlas ___ Catalog ___

Both X

Revision Code: A-2

Regional Supervisor 1/15/94 Date

1/21/94

Drafted 2/3/94 Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Migration	Anadromous
Coho - Juvenile	8-9-93		2		~

IMPORTANT: Provide all supporting documentation that this water body is important for the spawning, rearing or migration of anadromous fish, including: number of fish and life stages observed; sampling methods, sampling duration and area sampled; copies of field notes; etc. Attach a copy of a map showing location of mouth and observed upper extent of each species, as well as any other information such as: specific stream reaches observed as spawning or rearing habitat; locations, types, and heights of any barriers; etc.

Comments: Stream surveyed from the mouth to the upper extent barrier, electroshocking as we proceeded upstream through this segment. Two coho fry were captured at the location shown on the map. The substrate barrier is 1.5 meters in height. Stream width at the mouth is 1.5 meters. Upper extent at the barrier is 1 meter in width. Gradient is 2 percent. Five adult sockeye salmon were observed off the stream mouth.

Name of Observer (please print) KATHRIN SUNDET

Date: 10/6/93 Signature: Kathrin Sundet

Address: 333 RASPBERRY
ANCHORAGE AK 99518

ALASKA DEPT. OF FISH & GAME
NOV 02 1993
REGION II HABITAT AND RESTORATION

This certifies that in my best professional judgement and belief the above information is evidence that this waterbody should be included in or deleted from the Catalog of Waters Important for Spawning, Rearing or Migration of Anadromous Fishes per AS 16.05.870.

Signature of Area Biologist: _____

Rev. 7/93

STREAM HABITAT ASSESSMENT 1993 – STREAMS

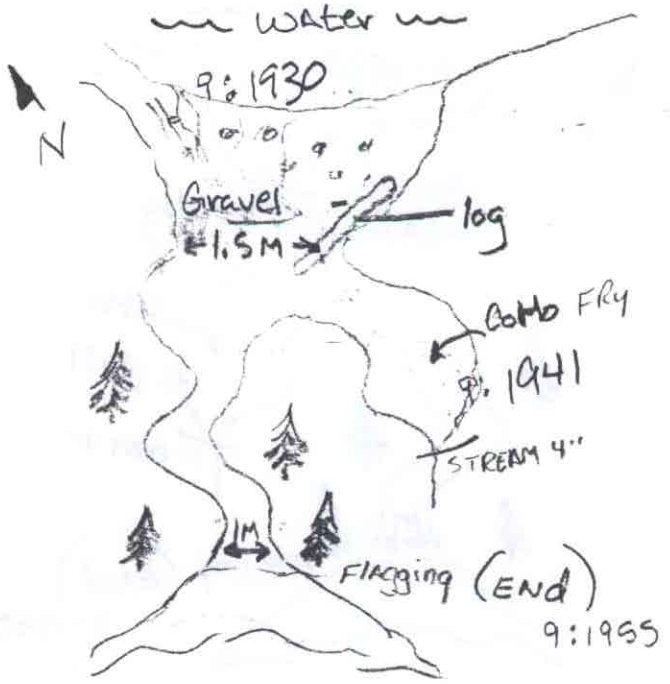
STREAM: ESHAMY ~~LAKE~~ 22 QUAD: Seward B-3 STAGE: H M (L)

LANDOWNER: (Chenega) CAC Eyak Tatitlek Pt. Graham English Bay (circle one)

DATE(s): 8/9/93 UTM ZONE: 6

GPS FILES: BGB1017F

SKETCH (indicate UTM zones, if not uniform throughout the stream)



How much effort 2 FISH / 65M
ELECTROSHOCKER EXTENSIVE BUT GOOD REARING HABITAT

Wesley Shumway

PHOTO ROLL(s):		VIDEO TAPE(s): WG001	
FRAME	DESCRIPTION	DATE	
		8/9/93	STREAM MOUTH / BLOCKAGE

(Please enter comments on the other side)

STREAM HABITAT ASSESSMENT 1993 - SEGMENTS

STREAM: ESHAMY - 22 SEGMENT: 0-01 DATE: 08/09/93 TEAM: WG/KS

ANADROMOUS: (y) n WIDTH (m): 1.5-1.0 LENGTH (m): 20 GPS DATE: 8/12/ DIGITIZE: y (n)

WATERBODY: (mainstem) tributary lake/pond wetland intertidal other : _____

FISH					WILDLIFE		
SPECIES	STAGE (A J U)	COUNT	METHOD (E V D)	COMMENTS	SPECIES	COUNT	COMMENTS
COHO	J	2	E		BEAR		TRAIL + DUG UP SPOTS
SOCKEYE	A	5		offstream mouth			

B-27 →

GRADIENT(%): 2 CHANNEL PROFILE: A B (C) D E F

CHANNEL PATTERN: (single) multi braided

STREAM SUBSTRATE : (rank three most predominant types) BEDROCK ___ BOULDER ___ RUBBLE (2) COBBLE (1)
GRAVEL (3) SAND ___ MUD/SILT ___ ORGANICS ___ OTHER: _____

STREAM COVER TYPE: ORGANIC DEBRIS ✓ DEAD BRANCHES/TWIGS ✓ LOGS ___ BOULDERS ___
CUT BANK ✓ OVERHANGING VEGET. ✓ OTHER: _____

STREAM COVER ABUNDANCE: none (low) medium high

RIPARIAN VEGETATION (three most abundant plants in order of dominance) within 20m of the banks:

OVERSTORY: SPRUCE HEMLOCK —
UNDERSTORY: GRASS BLUEBERRY FERN

CANOPY ABOVE STREAM: none (low) medium high

GROWTH: (mature) secondary shrubs meadow muskeg intertidal

TOTAL BARRIER? (y) n BARRIER TO SPECIES: ALL (adults) juveniles

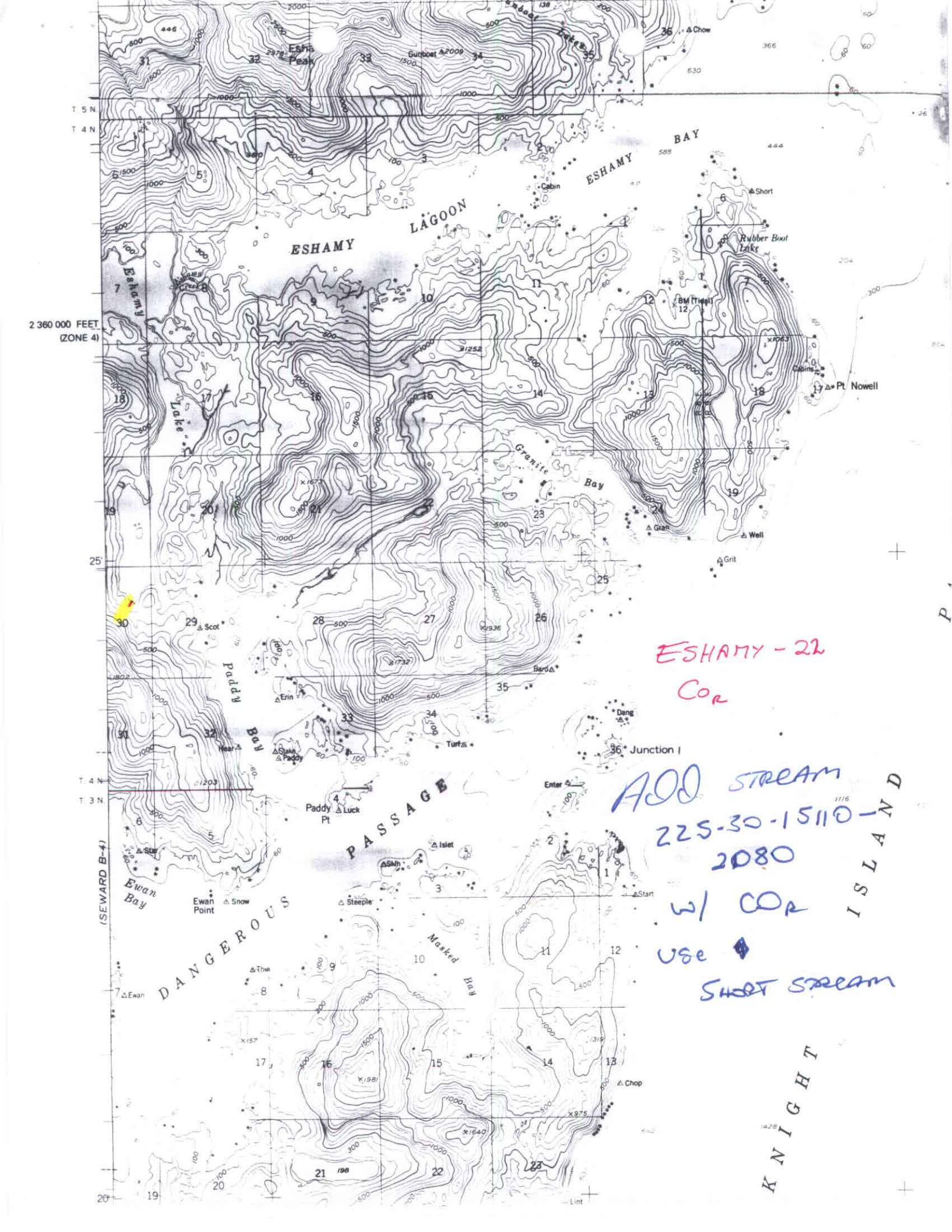
TYPE: fall slide beaverdam logjam spring (substrate) HEIGHT (m): 1.5 DIST. FROM UPPER EXTENT (m): 10

PHOTO ROLL(s): _____ VIDEO TAPE(s): _____

FRAME	DESCRIPTION
31	start of segment
32	end of segment

DATE	DESCRIPTION

Substrate: Bedrock (solid) Boulder >1' Rubble 6-12" Cobble 2-6" Gravel .1-2" Sand <.1"
(Please enter comments on the other side)


ESHAMY - 22
COR
ADD STREAM
225-30-15110-2080
W/ COR
USE
SHORT STREAM
ESHAMY BAY
ESHAMY LAGOON
Eshamy Lake
Granite Bay
Paddy Bay
PASSAGE
DANGEROUS
Masked Bay
Ewan Bay
KNIGHT ISLAND
(SEWARD B-4)
Pt Nowell
Junction I
Ewan Point
Paddy Pt
Rubber Boot Lake
2 360 000 FEET (ZONE 4)
T 5 N
T 4 N
T. 4 N
T. 3 N

MEMORANDUM

State of Alaska

DEPARTMENT OF FISH & GAME

TO: Ed Weiss
Habitat Biologist
Region II
Habitat and Restoration Division
Department of Fish and Game

DATE: November 2, 1993

FILE NO.:

TELEPHONE NO.: 267-2295

SUBJECT: Anadromous Stream Nominations and Corrections Project R-51

FROM: Kathrin Sundet KS
Habitat Biologist
Region II
Habitat and Restoration Division
Department of Fish and Game

Attached are anadromous stream nominations and corrections to be included in the Anadromous Waters Catalog for 46 streams surveyed in the summer of 1993 on private lands held by the Chenega and Chugach Alaska Corporations in southwest Prince William Sound.

Streams were surveyed by the Alaska Department of Fish and Game, Habitat and Restoration Division personnel, Kathrin Sundet, Jeff Barnhart, Dan Grey, and Wes Ghormley as part of Exxon Valdez Oil Spill Restoration project R-51 aka SHA (Stream Habitat Assessment).

Streams were surveyed on foot from the intertidal zone to the upper extent of anadromous fish distribution. Adult salmon and Dolly Varden were visually identified and enumerated. Juvenile salmon were visually identified in the stream, and then captured by electroshocking, dipnet, or minnow trap to confirm identification. Sampling was conducted periodically along the stream to determine the presence of juvenile salmon. No attempt was made to determine the rearing population sizes of juvenile salmon, or to determine the total escapement of adult salmon in a stream.

Stream data are on file at the Alaska Department of Fish and Game, Habitat and Restoration office, 333 Raspberry Road, Anchorage, Alaska.

cc: Lance Trasky
Don McKay
Mark Kuwada